Date: User: Thursday, 17/04/2008 10:59:33 AM

Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

: AFT CROSSTUBE

Job Number

: 38667

Estimate Number : 10377

P.O. Number

: 11

: 38666

This Issue : NC Prsht Rev.

: 17/04/2008

S.O. No. :

Type

Part Number

Drawing Number

Drawing Name

: D2890

Project Number

: D2890 REV B : N/A

: B **Drawing Revision** Material

Due Date

: 30/05/2008

Qty:

1 Um:

Each

Previous Run Written By

Comment

First Issue

Checked & Approved By

: Est.

05.03.21 D

: PURCHASED PARTS

Removed Bending procedures KJ/JLM

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

D6008180 1.0

Crosstube Extrusion



Comment: Qty.:

1.0000 Each(s)/Unit Total:

1.0000 Each(s)

Pick:

Qty

Part# Description

D6008-180 Crosstube extrusion

2.0

3.0

BENDING

1



Comment: BENDING MACHINE



1-Bend D2890 as per Dwg D2890 and Folio FT002

QC6

DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

SKIDTUBES 1 4.0





Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

5.0

HAND FINISHING1

HAND FINISHING RESOURCE



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 A.1

Dart Aerospace Ltd

W/O:		WORK ORDER CH	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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							;	
					<u> </u>			
Part No		PAR #· Fault Category:	NCD: Voc	No DO	۸.	Dato		

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
DATE S		Description of NC	Corrective Action Section B			Varification				
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
								•		

NOTE: Date & initial all entries

QA: N/C Closed: ____ Date: ____

Thursday, 17/04/2008 10:59:33 AM Date: Julie Lecocq User: **Process Sheet** Drawing Name: AFT CROSSTUBE Customer: CU-DAR001 Dart Helicopters Services Part Number: D2890 Job Number: 38667 Job Number: Description: Seq. #: **Machine Or Operation:** INSPECT POWDER COA MICAL CONVERSION QC3 6.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 7.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock 08.0223 Location: いん FINAL INSPECTION/W/O RELEASE 8.0 QC21 08/07/23 AJ mF 08-07-23 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Page 2

Form: rprocess

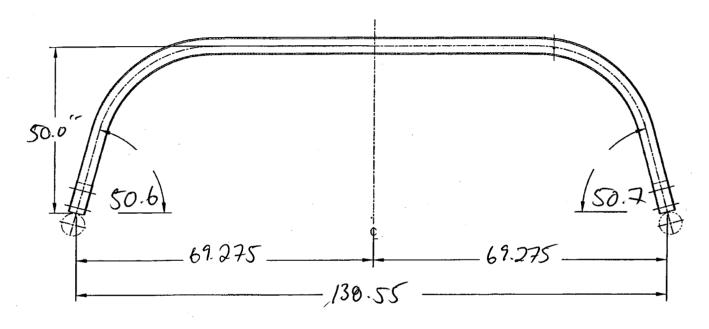
Dart Aerospace Ltd

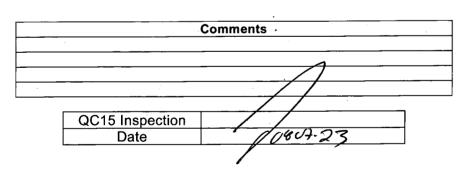
	-								
W/O:			WC	ORK ORDER CHANG	GES				
DATE	DATE STEP PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA :		_ Date:	
					QA: N	/C Closed:		_ Date:	
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NCR)			
DATE	STEP	Description of NC Corrective Action			Section B Verification		Approval	Approval	
DATE		E SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng

NOTE: Date & initial all entries

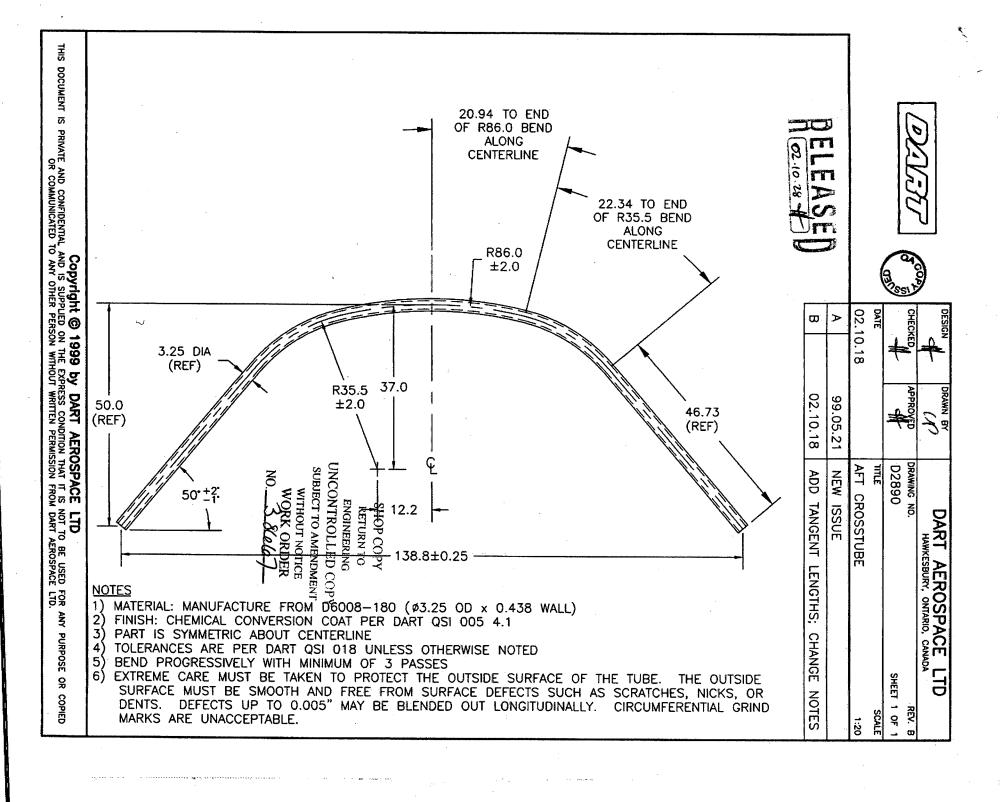
DART AEROSPACE LTD			Work Order:	38667
Description: Crosstube Aft			Part Number:	D2890
Inspection Dwg: D2890	Rev: B	,		Page 1 of 1

Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	69.275	69.525
Angle	49	52
Total Span	138.55	139.05





Rev	Date	Change	Revised by	Apprøved
Α	07.02.06	New Issue	KJ/JM 🚓	fr
<u> </u>			. ()	/

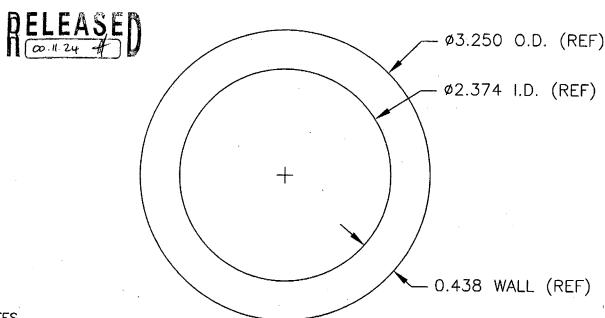






DESIGN P	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. REV. A
91	AF	D6008 SHEET 1 OF 1
DATE		TITLE SCALE
00.11.17		CROSSTUBE MATERIAL 1:1
Α	00.11.17	NEW ISSUE

SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE **LENGTH**

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180

SHOP COPY RETURN TO **ENGINEERING**

UNCONTROLLED COPY 2) MATERIAL: 3.250 OD x 0.438 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-s2005/1910) MENDMENT QQ-A-200/11) SEAMLESS ALUMINUM TUBE. WITHOUT NOTICE MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi WORK ORDER MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: \pm 0.008 MEAN (\pm 0.016 INCLUDING OVALITY)

WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000 STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH 4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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